Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/15/2020 09:27 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125866	0	3.23	125966	3.22
Blue	F	SSC	125000	124771	-1	1.69	125557	1.70
Blue	E	FITC	15892	15449	-3	3.02	337	21.45
Blue	D	PE	29999	29241	-3	2.13	637	15.53
Blue	B	PerCP-Cy5-5	43732	43293	-2	3.98	1160	21.84
Blue	A	PE-Cy7	30845	30701	-1	6.85	576	45.48
Red	C	APC	46112	45069	-3	2.43	1596	12.33
Red	A	APC-Cy7	30458	29516	-4	2.30	782	12.24
Violet	B	V450	7918	7557	-5	4.58	425	13.54
Violet	A	V500	32171	31189	-4	4.45	724	10.76

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17246	18.92	656	35	N/A	N/A	Pass
Blue	F	SSC	56932	1.28	585	26	N/A	N/A	Pass
Blue	E	FITC	61	65.51	554	11	0.0167	87	Pass
Blue	D	PE	133	52.61	560	12	0.1470	279	Pass
Blue	B	PerCP-Cy5-5	211	53.45	669	13	0.0078	47	Pass
Blue	A	PE-Cy7	104	113.73	715	17	0.0089	15	Pass
Red	C	APC	380	25.18	589	5	0.0230	86	Pass
Red	A	APC-Cy7	172	29.86	561	5	0.0053	1138	Pass
Violet	B	V450	65	62.17	461	3	0.0504	2255	Pass
Violet	A	V500	109	32.79	478	4	0.0217	559	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.24	-31.81	1.05
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.44
Red	15.21	13.60 - 20.40	N/A	N/A	29.17	29.67	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9862

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments